

## CLAIMS:

1. A liquid crystal display device comprising:
  - pixel electrodes;
  - a common electrode;
  - a plurality of data lines and a plurality of gate lines intersecting each
- 5 other;
  - a plurality of switchers, provided for the pixel electrodes, for
  - supplying signals from the data lines to the pixel electrode;
  - a gate line driver for scanning the gate lines;
  - a data line driver for driving the data lines, in accordance with the
  - 10 gradation to be displayed; and
  - a controller for controlling the gate line driver and the data line
  - driver, wherein
  - the controller comprises a signal absence detector for detecting that
  - no signal has been input to the liquid crystal display device,
  - 15 the controller outputs a signal to the gate line driver to make all the
  - gate lines active for a predetermined time after the signal absence detector
  - detects that no signal has been input, and
  - the controller outputs a signal, to the data line driver, to supply an
  - electric potential, applied to the common electrode, to all the data lines for
  - 20 the predetermined time.

2. A liquid crystal display device according to claim 1, wherein the predetermined time is a time required to discharge all the charge from the liquid crystal by supplying the common electric potential to all the pixel electrodes.
3. A liquid crystal display device according to claim 1, wherein the signal whose absence the signal absence detector detects is at least a video signal, a horizontal synchronizing signal, or a vertical synchronizing signal.
4. A liquid crystal display device according to claim 1, further comprising a power supply maintaining circuit for maintaining power after a power supply to the liquid crystal display device is turned off.
5. A liquid crystal display device according to claim 1, wherein the data line driver connects all the data lines to the ground after a power supply to the liquid crystal display device is turned off.
6. A liquid crystal display device according to claim 1, wherein the predetermined time is determined based on a time constant of a resistance and a capacitor.
7. A method for controlling a liquid crystal display device comprising: pixel electrodes; a common electrode; a plurality of data lines and a plurality

of gate lines intersecting each other; a plurality of switchers, provided for the pixel electrodes, for supplying signals from the data lines to the pixel

- 5 electrode; a gate line driver for scanning the gate lines; a data line driver for driving the data lines, in accordance with the gradation to be displayed; and a controller for controlling the gate line driver and the data line driver, the method comprising the steps of:

detecting that no signal is input to the liquid crystal display device;

- 10 making all the gate lines active for a predetermined time after the signal absence detector detects that no signal is input; and

supplying an electric potential, applied to the common electrode, to all the data lines for the predetermined time.